

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S1    | 2    | "5715021".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/02/25<br>12:53 |
| S2    | 2    | "6329966".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/02/25<br>13:02 |
| S3    | 1    | optical beam with wavelength with pulse and (fluorescent or phosphor) with (red and green and blue)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/02/25<br>13:21 |
| S4    | 153  | beam with wavelength and beam with pulse and (fluorescent or phosphor) with (red and green and blue)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/02/25<br>13:24 |
| S5    | 16   | ("3655575"   "3699478"   "4213153"   "5007107"   "5311360"   "5321713"   "5413884"   "5585648"   "5828684"   "5909306"   "5949804"   "6014388").PN. OR ("6900916").URPN. | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2010/02/25<br>13:33 |
| S6    | 38   | 359/204.2.ccls.  | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2010/02/25<br>13:43 |
| S7    | 992  | 359/350.ccls.  | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2010/02/25<br>13:48 |
| S8    | 603  | 345/32.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/02/25<br>13:53 |

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| S9  | 122 | S8 and (fluorescent or phosphor)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/25<br>13:53 |
| S10 | 26  | US-6576156-\$.DID. OR<br>US-6621609-\$.DID. OR<br>US-6621593-\$.DID. OR<br>US-6678081-\$.DID. OR<br>US-6765237-\$.DID. OR<br>US-6717704-\$.DID. OR<br>US-6777861-\$.DID. OR<br>US-6809347-\$.DID. OR<br>US-6809781-\$.DID. OR<br>US-6839042-\$.DID. OR<br>US-6853131-\$.DID. OR<br>US-6905220-\$.DID. OR<br>US-6937221-\$.DID. OR<br>US-6937383-\$.DID. OR<br>US-6947198-\$.DID. OR<br>US-6987610-\$.DID. OR<br>US-7090355-\$.DID. OR<br>US-7213923-\$.DID. OR<br>US-7230767-\$.DID. OR<br>US-20010050371-\$.DID.<br>OR US-20020003233-\$.<br>DID. OR US-<br>20020024495-\$.DID. OR<br>US-20020050963-\$.DID.<br>OR US-20020122260-\$.<br>DID. OR US-<br>20020145685-\$.DID. OR<br>US-20020163702-\$.DID. | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2010/02/25<br>13:56 |
| S11 | 2   | "4737840".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/02/25<br>14:33 |
| S12 | 116 | 359/350.ccls. and<br>fluorescent  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/20<br>12:44 |
| S13 | 0   | "359".clas. and laser<br>with current same<br>threshold same black  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/20<br>12:45 |

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| S14 | 8  | "345".clas. and laser with current same threshold same black  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/05/20<br>12:45 |
| S15 | 17 | display and laser with current same threshold same black  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/05/20<br>12:54 |
| S20 | 77 | fresnel lens and dielectric near2 layer and (scanning or light or laser) same fluorescent and feedback  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2011/06/20<br>10:10 |
| S21 | 3  | (("6329966") or ("5715021") or ("4737840")).PN.   | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2011/06/20<br>10:17 |
| S22 | 33 | (("3666881"   "3703640"   "3829838"   "4150396"   "4213153"   "4295159"   "4312660"   "4653855"   "4934773"   "5003179"   "5260815"   "5281960"   "5451980"   "5504597"   "5526063"   "5537258"   "5558884"   "5617243"   "5672464"   "5713364"   "5804919"   "5875006"   "5903243"   "5928821"   "6013400").PN. OR ("6329966").URPN.   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON  | 2011/06/20<br>10:21 |
| S23 | 90 | (("4040096"   "4205348"   "4263621"   "4274703"   "4297723"   "4342906"   "4345258"   "4393387"   "4474422"   "4475200"   "4650280"   "4689482"   "4720747"   "4796964"   "4799777"   "4805974"   "4822151"   "4851918"   "4870652"   "4884857"   "4892371"   "4930849"   "4931874"   "4934773"   "4958098"   "4978202"   "4980700"   "5032924"   "5051834"   "5059001"   "5107363"   "5140427"   "5192946"   "5255082"   "5317348"   "5424771" | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON  | 2011/06/20<br>10:24 |

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|-----|-----|--|---------------------------|-----|----|---------------------|
|     |     | "5534950").PN. OR<br>("5715021").URPN.   |                           |     |    |                     |
| S24 | 209 | ("20010019240"  <br>"20010024086"  <br>"20010050371"  <br>"20020003233"  <br>"20020008854"  <br>"20020024495"  <br>"20020041418"  <br>"20020050963"  <br>"20020122260"  <br>"20020124250"  <br>"20020145685"  <br>"20020163702"  <br>"20020185965"  <br>"20030015692"  <br>"20030094893"  <br>"20030184209"  <br>"20030184531"  <br>"20030184613"  <br>"20030184842"  <br>"20040027465"  <br>"20040070551"  <br>"20040141220"  <br>"20040145312"  <br>"20040156079"  <br>"20040160516"  <br>"20040165642"  <br>"20040184123"  <br>"20040223100"  <br>"20040227465"  <br>"20040263074"  <br>"20050001225"  <br>"20050012446"  <br>"20050023962"  <br>"20050023963"  <br>"20050051790"  <br>"20050093818"  <br>"20050094266"  <br>"20060050015"  <br>"20060066508"  <br>"20060081793"  <br>"20060082873"  <br>"20060088951"  <br>"20060132021"  <br>"20060139580"  <br>"20060197922"  <br>"20060221021"  <br>"20060221022"  <br>"20060227087"  <br>"20060262243"  <br>"20060266958"  <br>"20060290898"  <br>"20070014318"  <br>"20070183466" | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2011/06/20<br>10:36 |

|                   |            |
|-------------------|------------|
| "20070187580"     |            |
| "20070188417"     |            |
| "20070206258"     |            |
| "20070228927"     |            |
| "20070229946"     |            |
| "20080018558"     |            |
| "20080066107"     |            |
| "20080068295"     |            |
| "20080235749"     |            |
| "20080247020"     |            |
| "20080291140"     |            |
| "20090001272"     |            |
| "20090116107"     |            |
| "20090153582"     |            |
| "20090174632"     |            |
| "2439181"         | "3025161"  |
| "3556637"         | "3652956"  |
| "3691482"         | "3750189"  |
| "4165154"         | "4166233"  |
| "4307320"         | "4401362"  |
| "4512911"         | "4613201"  |
| "4624528"         | "4661419"  |
| "4707093"         | "4737840"  |
| "4816920"         | "4923262"  |
| "4978202"         | "4979030"  |
| "5054866"         | "5080467"  |
| "5089907"         | "5094788"  |
| "5122905"         | "5136426"  |
| "5138441"         | "5140604"  |
| "5146355"         | "5166944"  |
| "5175637"         | "5182659"  |
| "5198679"         | "5255113") |
| PN. OR ("5269995" |            |
| "5270842"         | "5296922"  |
| "5365288"         | "5389324"  |
| "5414521"         | "5442254"  |
| "5473396"         | "5475524"  |
| "5477285"         | "5477330"  |
| "5491578"         | "5526166"  |
| "5541731"         | "5550667"  |
| "5587818"         | "5594556"  |
| "5598292"         | "5602445"  |
| "5614961"         | "5633736"  |
| "5646766"         | "5648181"  |
| "5666174"         | "5668662"  |
| "5670209"         | "5684552"  |
| "5698857"         | "5715021"  |
| "5716118"         | "5870224"  |
| "5882774"         | "5907312"  |
| "5920361"         | "5959296"  |
| "5973813"         | "5976424"  |
| "5978142"         | "5994722"  |
| "5998918"         | "5998925"  |
| "6008925"         | "6010751"  |
| "6057953"         | "6064417"  |

|     |     |   |   |     |     |                     |
|-----|-----|---|---|-----|-----|---------------------|
|     |     | "6066861"   "6069599"  <br>"6080467"   "6088163"  <br>"6101032"   "6117530"  <br>"6118516"   "6128131"  <br>"6134050"   "6137461"  <br>"6154259"   "6157490"  <br>"6172810"   "6175440"  <br>"6219168"   "6224216"  <br>"6226126"   "6252254"  <br>"6255670"   "6276802"  <br>"6288817"   "6329966"  <br>"6333724"   "6417019"  <br>"6429583"   "6429584"  <br>"6463585"   "6531230"  <br>"6576156"   "6621593"  <br>"6621609"   "6627060"  <br>"6628248"   "6678081"  <br>"6717704"   "6765237"  <br>"6777861"   "6809347"  <br>"6809781"   "6839042"  <br>"6853131"   "6900916"  <br>"6905220"   "6937221"  <br>"6937383"   "6947198"  <br>"6986581"   "6987610"  <br>"7068406"   "7088335"  <br>"7090355"   "7147802"  <br>"7181417"   "7213923"  <br>"7230767"   "7239436"  <br>"7283301"   "7302174"  <br>"7474286").PN. |   |     |     |                     |
| S25 | 1   | ("20020024495").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2011/06/20<br>10:55 |
| S28 | 329 | folded optical path with<br>reflect\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2011/06/20<br>11:07 |
| S31 | 195 | (phosphor or<br>fluorescent) and fresnel<br>lens and dielectric layers<br>and (laser or beam)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2011/06/20<br>11:13 |
| S32 | 21  | fresnel lens with<br>dielectric with (laser or<br>beam)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2011/06/20<br>12:02 |

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| S37 | 255 | fresnel lens same<br>(polyester or polymeric)<br>and (laser or beam)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>12:10 |
| S39 | 327 | stack with dielectric with<br>interference and (laser<br>or beam)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>12:39 |
| S41 | 122 | filter with visible light<br>with (UV or ultraviolet or<br>ultra violet) same<br>(dielectric or polyester or<br>polymeric)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>14:04 |
| S43 | 383 | (phosphor or<br>fluorescent) and (laser<br>or beam) with alignment<br>with (sensor or sensing<br>or photodiode)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>14:38 |
| S44 | 19  | (phosphor or<br>fluorescent) and (laser<br>or beam) with alignment<br>with (sensor or sensing<br>or photodiode) and<br>("353".clas. or "359".<br>clas.) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>14:39 |
| S45 | 32  | (laser or beam) with<br>alignment and (phosphor<br>or fluorescent) with<br>(sensor or sensing or<br>photodiode) and ("353".<br>clas. or "359".clas.)    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>14:41 |
| S46 | 39  | (fluorescent or<br>phosphor) with screen<br>with fresnel lens   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>14:53 |
| S48 | 2   | "20070285773".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>15:02 |

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| S49 | 2   | "7242536".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/20<br>15:06 |
| S51 | 71  | projector and<br>(fluorescent or<br>phosphor) same (sensor<br>or sensing or<br>photodiode) with emitted<br>with light   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>11:50 |
| S52 | 391 | alignment and<br>(fluorescent or<br>phosphor) same (sensor<br>or sensing or<br>photodiode) with emitted<br>with light   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>11:55 |
| S57 | 523 | (alignment or synchroniz<br>\$3) and scanning and<br>(sensor or sensing or<br>photodiode or sense or<br>photodetector) with light<br>with (emitt\$3) with<br>(phosphor or<br>fluorescent) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:00 |
| S58 | 51  | S57 and ("353".clas. or<br>"359".clas. or "345".<br>clas.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:00 |
| S59 | 2   | "5473396".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:28 |
| S60 | 2   | "5744061".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:41 |
| S61 | 6   | "2439181".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:46 |



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| S62 | 2   | "4737840".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:49 |
| S63 | 2   | "20010019240".pn.                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:50 |
| S64 | 2   | "20060139580".pn.                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:56 |
| S65 | 2   | "20030015692".pn.                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>12:57 |
| S66 | 48  | fluorescent with (non<br>phosphor or<br>nonphosphor) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>13:36 |
| S67 | 40  | "3114065"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>14:02 |
| S68 | 4   | "3114065".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>14:02 |
| S69 | 596 | dielectric with (polymeric<br>and polyester)         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>14:35 |

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| S71 | 12 | dielectric with (polymeric and polyester) with (UV or ultra violet or ultraviolet) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>14:36 |
| S72 | 19 | polygon mirror with horizontal and galvano mirror with vertical and adjust\$3      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/21<br>14:42 |
| S77 | 15 | fresnel with telecentric with incident and projection                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/22<br>11:36 |
| S78 | 54 | (phosphor or fluorescent) (stripe or dot) with reflect\$3 with between             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/22<br>11:44 |
| S85 | 17 | filter with indices same (polyester and polymeric)                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/06/22<br>12:00 |

### EAST Search History (I nterference)

| Ref # | Hits | Search Query  | DBs                         | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------------|------------------|---------|------------------|
| S16   | 22   | (laser and current and threshold and black).clm.  | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2010/05/20 12:49 |
| S17   | 2    | (low light output with black color with response delay time).clm.                             | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2010/05/20 12:52 |
| S18   | 2    | (true black color and laser and response delay time).clm.                                     | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2010/05/20 12:53 |
| S19   | 3    | (parallel fluorescent stripes and excitation wavelength and optical beam and modulation).clm. | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2010/05/20 12:54 |

**6/ 22/ 2011 2:09:30 PM**

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